

FABIAN W.P. SCHNEIDER

— May 1998 —

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EDUCATION AND INTERNSHIPS

Higher School Diploma (Abitur)	<i>2008 to 2016</i>
<i>Matthias-Claudius-Gymnasium, Hamburg</i>	
Final Average Score: 1.00	
Bc. Physics and Bc. Mathematics	<i>since 2017</i>
<i>University of Heidelberg, Germany</i>	
Helmut-Schmidt-University, Hamburg	<i>May to Jun 2013</i>
Max Planck Institute for Radioastronomy, Bonn	<i>Jun to Jul 2015</i>
German Aerospace Center (DLR), Braunschweig	<i>Aug 2015</i>
CERN Research Institute, Geneva	<i>Oct to Nov 2015</i>
Airbus Group, Hamburg	<i>May 2016</i>
Deutsches Elektronen-Synchrotron (DESY), Hamburg	<i>Nov to Dec 2016</i>
Department of Theoretical Physics at Humboldt-University, Berlin	<i>Jan 2017</i>
Max Planck Institute for Mathematics, Bonn	<i>Sep 2017</i>

FURTHER EMPLOYMENT AND POSITIONS

Head of IT-administration group at Matthias-Claudius-Gymnasium	<i>2012 to 2016</i>
Supervisor of after-school science course at Matthias-Claudius-Gymnasium	<i>2013 to 2015</i>
Class representative in 11th grade at Matthias-Claudius-Gymnasium	<i>2014 to 2015</i>
After-school tutor in mathematics at Matthias-Claudius-Gymnasium	<i>2014 to 2017</i>
National Alumni Coordinator of Particle World Collaboration (Netzwerk Teilchenwelt)	<i>since 2016</i>
International Coordinator of Youth Planet Protector Organisation	<i>since 2016</i>
Jury member of German Science Fair Competition in Hamburg	<i>Mar 2017</i>
Chief Editor of the International Youth Journal	<i>since 2017</i>
Supervisor for CERN S'Cool LAB Summer Camp 2017, Geneva	<i>Jul to Aug 2017</i>

AWARDS AND SCHOLARSHIPS

Annual Town Hall Award 2015 of Initiative for Science and Technology (NAT)	<i>Jun 2015</i>
Graduation Award of German Physical Society	<i>Jun 2016</i>
Award of Glemser Foundation For Future Excellency	<i>Jun 2016</i>
e-fellows.net Graduation Scholarship	<i>Jun 2016</i>

COMPETITIONS

Youth Debates Competition (Jugend debattiert), 3. prize	Jan 2013
Youth Presents Competition (Jugend präsentiert), reached finals	Mar 2013, Mar 2014
International Junior Science Olympics (IJSO), 2. stage	May 2013
NaTex Competition of Hamburg, 3. prize	May 2014
Ancient Language Competition (Alte Sprachen), 1. prize	Jul 2014
<i>Project: Measurement techniques in ancient times.</i>	
International Physics Olympiad (IPhO), 2. stage	Sep 2015
Beamline for Schools Competition of CERN, quali. round	Jun 2016
Young Composers Competition (Jugend komp.), quali. round	Jan 2017
German Science Fair Competition (Jugend forscht):	
<i>Project: How do satellites change their brightness?</i>	
Regional finals: 1. prize	Mar 2013
State finals: 2. prize, Award for Space Science	Apr 2013
<i>Project: Beats of Pulsars – Applications for time measurement?</i>	
Regional finals: 1. prize	Mar 2014
State finals: 3. prize, Award for Examination	Apr 2014
<i>Project: Mystery of primes - empirical examinations.</i>	
Regional finals: 1. prize	Mar 2015
State finals: 2. prize	Apr 2015
<i>Project: Graphical visualization of number theoretical functions.</i>	
Regional finals: 1. prize	Mar 2016
State finals: 2. prize, Airbus Award	Apr 2016
<i>Project: Construction of an electronically cloud-chamber particle detector.</i>	
Regional finals: 1. prize	Mar 2016
State finals: 3. prize, Award of Communication	Apr 2016
<i>Project: Number theoretical studies of polyabundant numbers.</i>	
Regional finals: 1. prize	Mar 2016
State finals: 1. prize	Apr 2016
National finals: 3. prize, Award of Mathematics, Award of European Commis.	May 2016

PARTICIPATION IN WORKSHOPS, SCIENCE CAMPS AND FORUMS

Particle physics masterclass of Netzwerk Teilchenwelt, Hamburg	Jan 2013
One-week lecture training due to success in Youth Presents Competition, Heidelberg	Jun 2013
International particle physics masterclass of Netzwerk Teilchenwelt at DESY, Hamburg	Mar 2014
German particle physics CERN workshop camp, Geneva	Jun 2014
Science Forum (PerspektivForum) on Green Jobs hosted by DBU, Osnabrück	Nov 2014
Minds on MINT Youth Science Camp at Weizmann Institute in Israel, Rehovot	Sep 2015
Science Forum (PerspektivForum) on Mobility and Climate hosted by TU Berlin, Berlin	Oct 2016
International Swiss Talent Forum 2017 hosted by Swiss Youth in Science, Berne	Apr 2017
Student Congress on Biodiversity 2017 hosted by DBU, Osnabrück	Jun 2017

 OUTREACH ACTIVITIES

Selected science project for presentation at MNU Congress, Hamburg	Mar 2013
Gave talk about mathematics at Joint Research Center of European Commission, Ispra	Jul 2016
Lecturer at annual conference of Young German Physical Society (jDPG) 2016, Berlin	Aug 2016
Reception by German Chancellor due to success in Young Researchers Competition, Berlin	Sep 2016
Selected Alumni for main interview in 13th Netzwerk Teilchenwelt newsletter	Dec 2016
Featured in Top 5 Global Youth Science Entrepreneurs 2017	Aug 2017
Lecturer at annual conference of Young German Physical Society (jDPG) 2017, Berlin	Sep 2017

 ASSOCIATIONS AND SOCIETIES

Alumnus of Young Researchers Competition (Jugend forscht)	since Apr 2013
Alumnus of Particle World Collaboration (Netzwerk Teilchenwelt)	since Jun 2014
Member of German Physical Society (DPG)	since May 2016
Member of Glemser Foundation For Future Excellency	since Jun 2016

 FOUNDED STARTUPS AND WEB PROJECTS

YOUTH PLANET PROTECTOR ORGANISATION

Co-Founder and International Coordinator | www.planet-protector.org | *YPPO establishes a global network of students to approach environmental problems with scientific projects. Sponsored by the DBU and German Ministry for Environment since mid 2017.* winter 2016

INTERNATIONAL YOUTH JOURNAL

Founder and Chief Editor | www.youth-journal.org | *The IYJ enables youths to publish quality articles and essays about various topics online to reach international audiences.* spring 2017

BEAUTY OF MATH

Founder and Programmer | www.beautyofmath.org | *The BoM projects combines mathematics and art to yield interesting, useful or elegant patterns and images with algorithms.* sum. 2017

THE BORED SCIENTIST

Co-Founder and Administrator | www.theboredscientist.de | *The Bored Scientist is a database for competitions, camps and similar events for students from Germany.* sum. 2017

INTERNATIONAL YOUTH MATH CHALLENGE

Founder and Publisher | www.iymc.info | *The IYMC gives students the opportunity to compete in monthly math challenges online on an international level.* fall 2017

 PAPERS AND PUBLICATIONS

How likely are two independent recurrent events to overlap during a given time?. arXiv:1701.00445. (Dec. 2016)

CONCEPT The great new YPPO Project. International Youth Journal, 15 May 2017.

How simple hacking in today's time truly is. International Youth Journal, 18 May 2017.

YPPO at DBU Congress. International Youth Journal, 13 June 2017.

Framework of two-dimensional functional walks. arXiv:1709.05954 (Sep. 2017)

PROGRAMMING SKILLS

Python — <i>very good</i>	<i>since 2013</i>
HTML, CSS — <i>very good</i>	<i>since 2011</i>
L ^A T _E X — <i>very good</i>	<i>since 2014</i>
PHP — <i>good</i>	<i>since 2015</i>
Javascript — <i>good</i>	<i>since 2015</i>
C++ — <i>good</i>	<i>since 2015</i>
Unix experiences — <i>good</i>	<i>since 2015</i>

INTERESTS AND HOBBIES

Mathematics, esp. Number Theory
 Physics, esp. Astrophysics and Particle Physics
 Programming, esp. Python
 Electronics, e.g. Raspberry Pi
 Stargazing in the night
 Daily piano playing
 Weekly swimming and standard dance

REFERENCES AND LINKS

All certificates and documents can be found here: www.fschneider.info/references.pdf

NAT Award — <http://www.initiative-nat.de/aktuelles/details/mit-nat-sonderpreis-geeht.html>

JDPG Conference — <http://www.dpg-physik.de/dpg/gliederung/junge/rg/berlin/2016schuelertagung/index.html?print=true>

Jugend forscht National Stage 2016 — <http://www.jugend-forscht.de/projektdatenbank/zahlentheoretische-untersuchung-und-analyse-von-polyabundanten-zahlen.html>

JRC Ispra — <http://blog.jugend-forscht.de/winners-joining-in-italy-besuch-des-joint-research-centers-2016/>

13th Netzwerk Teilchenwelt Newsletter — http://www.teilchenwelt.de/fileadmin/user_upload/Redaktion/Netzwerk_Teilchenwelt/Aktuelles/teilchenwelten-13-2016.pdf

German Chancellor — <https://www.bundesregierung.de/Content/DE/Artikel/2016/09/2016-09-28-jugend-forscht.html>

STF 2017 Article — <http://blog.jugend-forscht.de/swiss-talent-forum-2017-meeting-the-next-leaders/>

Sensirion — <https://www.sensirion.com/en/careerdetail/news/young-talent-from-schweizer-jugend-forscht-visits-sensirion/>

Top 5 GYSE 2017 — <http://youth-journal.org/?article=top-5-global-youth-science-entrepreneurs-2017>